

# INTERNATIONAL SEARCH REPORT

PCT/GB2004/005076

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 F03B17/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 F03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.         |
|------------|--|-------------------------------|
| X          | GB 2 348 249 A (JOHN RICHARD CAREW * ARMSTRONG) 27 September 2000 (2000-09-27)<br><br>abstract; figures<br>page 1, paragraph 5 – page 2, paragraph 2<br>page 2, paragraph 4<br>page 3, paragraph 3 – paragraph 5 | 1,2,4,5,<br>7,10-12,<br>14,19 |
| X          | US 2 501 696 A (SOUČZEK ERNST) 28 March 1950 (1950-03-28)<br><br>figures 1-3<br>column 2, line 11 – column 3, line 2   | 1,4,5,19                      |
| A          |  | 7                             |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

### ° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"8" document member of the same patent family

Date of the actual completion of the international search

5 April 2005

Date of mailing of the International search report

19/04/2005

Name and mailing address of the ISA

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| C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT |  |                             |
|--|--|-----------------------------|
| Category   | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No.       |
| P, X,<br>L   | <p>WO 2004/085845 A (MARINE CURRENT TURBINES LIMITED; FRAENKAL, PETER, LEONARD) 7 October 2004 (2004-10-07)</p> <p>abstract; figures 1,2</p> <p>page 2, line 14 - line 17</p> <p>page 3, line 23 - page 4, line 5</p> <p>page 6, line 12 - line 17</p> <p>page 7, line 3 - line 19</p> <p>page 9, line 1 - line 25</p> <p>page 15, line 3 - line 9</p> <p>page 17, line 9 - line 19</p> <p>-----</p> | 1-6                         |
| X  | <p>WO 03/056169 A (PERNER, NORMAN; DORWEILER, HARALD; HOLDER, KARL, LUDWIG; WENDT, ROLAND) 10 July 2003 (2003-07-10)</p> <p>abstract; figures 1-3</p> <p>page 2, line 8 - page 3, line 35</p> <p>-----</p>   | 1,4,5                       |
| X  | <p>WO 99/02853 A (SINVENT AS; CARSTENS, TORKILD; SPIDSOEE, NILS) 21 January 1999 (1999-01-21)</p> <p>abstract; figures</p> <p>page 1, line 32 - page 2, line 10</p> <p>page 2, line 21 - page 3, line 9</p> <p>page 3, line 15 - line 20</p> <p>page 3, line 31 - page 4, line 2</p> <p>page 5, line 5 - line 16</p> <p>-----</p>  | 1-3,5-7,<br>10,13,<br>14,19 |
| A  | <p>US 6 652 221 B1 (PRAENKEL PETER) 25 November 2003 (2003-11-25)</p> <p>figures 8,12-16</p> <p>column 6, line 57 - column 7, line 12</p> <p>column 8, line 22 - column 10, line 17</p> <p>-----</p>   | 1,2,7,<br>10,11,<br>15,19   |
| X  | GB 2 311 566 A (* I T POWER LIMITED) 1 October 1997 (1997-10-01)   | 1,2,19                      |
| A  | <p>cited in the application</p> <p>page 3, line 18 - page 4, line 6</p> <p>page 8, line 24 - page 9, line 12</p> <p>page 11, line 27 - page 12, line 6</p> <p>page 15, line 25 - page 16, line 17</p> <p>page 16, line 28 - page 17, line 19</p> <p>-----</p>  | 7                           |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

PCT/GB2004/005076

| Patent document cited in search report |    | Publication date | Patent family member(s)   |  | Publication date |
|--|----|------------------|---|--|------------------|
| GB 2348249                             | A  | 27-09-2000       | NONE  |  |                  |
| US 2501696                             | A  | 28-03-1950       | NONE  |  |                  |
| WO 2004085845                          | A  | 07-10-2004       | GB 2400414 A<br>WO 2004085845 A1  | 13-10-2004<br>07-10-2004   |                  |
| WO 03056169                            | A  | 10-07-2003       | WO 03056169 A1<br>AU 2002235811 A1  | 10-07-2003<br>15-07-2003   |                  |
| WO 9902853                             | A  | 21-01-1999       | NO 973136 A<br>AT 254721 T<br>AU 8753698 A<br>CN 1089860 C<br>DE 69819899 D1<br>EP 0995032 A1<br>ID 24563 A<br>JP 2002508048 T<br>WO 9902853 A1   | 08-01-1999<br>15-12-2003<br>08-02-1999<br>28-08-2002<br>24-12-2003<br>26-04-2000<br>27-07-2000<br>12-03-2002<br>21-01-1999   |                  |
| US 6652221                             | B1 | 25-11-2003       | AT 277282 T<br>AU 766741 B2<br>AU 2681900 A<br>CA 2367715 A1<br>DE 60014071 D1<br>EP 1183463 A1<br>WO 0050768 A1<br>GB 2348465 A ,B<br>NZ 514274 A<br>NZ 531809 A<br>GB 2347976 A ,B<br>GB 2348250 A ,B | 15-10-2004<br>23-10-2003<br>14-09-2000<br>31-08-2000<br>28-10-2004<br>06-03-2002<br>31-08-2000<br>04-10-2000<br>25-06-2004<br>25-02-2005<br>20-09-2000<br>27-09-2000 |                  |
| GB 2311566                             | A  | 01-10-1997       | NONE  |  |                  |